

Product datasheet

Anti-ERp29 antibody ab77545

1 图像

概述

产品名称	Anti-ERp29抗体
描述	山羊多克隆抗体to ERp29
宿主	Goat
特异性	ab77545 is expected to recognize isoform 1 (NP_006808.1) only.
经测试应用	适用于: ELISA, WB
种属反应性	与反应: Human 预测可用于: Mouse, Rat, Sheep, Horse, Chicken, Cow, Dog, Pig, Chimpanzee, Rhesus monkey 
免疫原	Synthetic peptide: EKNKMSDGGKKEELQ , corresponding to C terminal amino acids 229-242 of Human ERp29 (NP_006808.1). Run BLAST with Run BLAST with
阳性对照	Human Liver lysate.

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
存储溶液	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: 0.5% BSA, 0.5% Tris buffered saline
纯度	Immunogen affinity purified
纯化说明	ab77545 is purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunising peptide.
克隆	多克隆
同种型	IgG

应用

Our [Abpromise guarantee](#) covers the use of **ab77545** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Ab评论	说明
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ELISA

WB

应用说明

Peptide ELISA: Antibody detection limit dilution 1/2000.

WB: Use at a concentration of 0.1 - 0.3 µg/ml. Detects a band of approximately 29 kDa (predicted molecular weight: 29 kDa).

Not yet tested in other applications.

Optimal dilutions/concentrations should be determined by the end user.

靶标

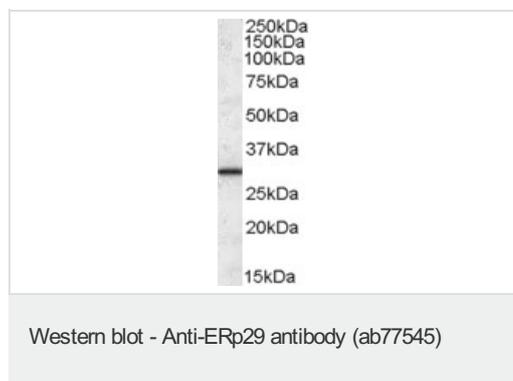
相关性

Proper protein folding and post-translational modifications are essential for secretory protein export out of the endoplasmic reticulum. This task is accomplished by chaperone proteins such as protein disulfide isomerase (PDI), GRP94, and BiP. A recently characterized protein, designated ERp29, is closely related to these chaperone proteins and appears to be upregulated during ER stress conditions. ERp29 is a soluble 259-residue protein that is localized to the lumen of the endoplasmic reticulum in all mammalian cells. Research has shown that there are two primary domains within ERp29. The first is the C-terminal region that is a novel, all helical, fold that is most likely involved with ERp29 retention to the ER. The second is the N-terminal region that resembles that of PDI's thioredoxin module. The protein shows sequence similarity to the protein disulfide isomerase family. However, it lacks the thioredoxin motif characteristic of this family, suggesting that this protein does not function as a disulfide isomerase. The protein dimerizes and is thought to play a role in the processing of secretory proteins within the ER.

细胞定位

Endoplasmic reticulum, Cell surface.

图片



Anti-ERp29 antibody (ab77545) at 0.1 µg/ml +
Human Liver lysate (in RIPA buffer) at 35 µg

Developed using the ECL technique.

Predicted band size: 29 kDa

Observed band size: 29 kDa

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